

ABSTRACT

A motor has plural through-holes punched on a top surface of its frame, and a cap made of magnetic material is placed at a place on a stator, where the place corresponding to the through-holes and spaced axially from the through-holes. An attracting magnet is placed outside the cap. This structure allows a bearing to hold its oil, and realizes to generate attracting force in an axial direction without adversely affecting driving-magnetic-circuits. As a result, an apparatus using this motor can be low-profile and run at a higher speed.